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**AMENDMENTS TO THE CLAIMS**

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3       1. (Currently Amended) A method comprising:

4             collecting, on a computer maintained within a vehicle, data from a plurality  
5     of systems of the vehicle, wherein the plurality of systems:

6                 include a diagnostics system providing one or more diagnostic  
7     codes; and

8                 each is connected to the computer by a respective interface; and

9                 generating, on the computer, an explanation of a vehicle condition based on  
10    at least one said vehicle diagnostics code comprising a set of symbols, wherein the  
11    explanation combines data collected from the diagnostic system with data  
12    collected from at least one other system.

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15       2. (Original) A method as recited in claim 1 wherein the generating  
16     operation comprises retrieving a textual explanation of the vehicle diagnostics  
17     code.

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20       3. (Original) A method as recited in claim 1 wherein the generating  
21     operation comprises retrieving a graphical illustration of a component associated  
22     with the vehicle diagnostics code.

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24       4. (Original) A method as recited in claim 1 further comprising  
25     generating supplemental information related to the vehicle diagnostics code.

1       5. (Original) A method as recited in claim 4 wherein the generating  
2 supplemental information operation comprises retrieving an estimated price for  
3 repairing a condition related to the vehicle diagnostics code.

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5       6. (Original) A method as recited in claim 4 wherein the generating  
6 supplemental information operation comprises retrieving a location of a vehicle  
7 dealership.

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9       7. (Original) A method as recited in claim 1 further comprising  
10 presenting the explanation at a client computer.

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12       8. (Original) A method as recited in claim 7 wherein the presenting  
13 operation comprises presenting the explanation at a local, vehicle-based client.

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15       9. (Original) A method as recited in claim 7 wherein the presenting  
16 operation comprises presenting the explanation at a remote client.

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18       10. (Original) A method as recited in claim 1 further comprising storing  
19 an updated explanation of the vehicle condition in a memory.

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21       11. (Original) A method as recited in claim 1 further comprising  
22 transmitting the vehicle diagnostics code to a remote computer.

1           12. (Currently Amended) A computer-readable medium having stored  
2 thereon a computer program having executable instructions for performing a  
3 process comprising:

4           collecting, on a computer maintained within a vehicle, data from a plurality  
5 of systems of the vehicle; wherein the plurality of systems includes:

6           a diagnostics system providing one or more diagnostic codes; and  
7           a global positioning satellite (GPS) system providing vehicle  
8 location data; and

9           generating a deciphered explanation of at least one said vehicle diagnostics  
10 code, wherein the explanation combines data collected from the diagnostics  
11 system with vehicle location data collected from the GPS system.

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13           13. (Original) A computer-readable medium as recited in claim 12  
14 wherein the generating operation comprises generating a textual explanation of the  
15 vehicle diagnostics code.

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17           14. (Original) A computer-readable medium as recited in claim 12  
18 wherein the generating operation comprises generating a graphical illustration of a  
19 component associated with the vehicle diagnostics code.

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21           15. (Original) A computer-readable medium as recited in claim 12, the  
22 process further comprising generating supplemental information related to the  
23 vehicle diagnostics code.

1       16. (Original) A computer-readable medium as recited in claim 15  
2 wherein the generating supplemental information operation comprises generating  
3 an estimated price for repairing a condition related to the vehicle diagnostics code.

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5       17. (Original) A computer-readable medium as recited in claim 15  
6 wherein the generating supplemental information operation comprises generating a  
7 location of a vehicle dealership.

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9       18. (Original) A computer-readable medium as recited in claim 12, the  
10 process further comprising presenting the deciphered explanation at a client  
11 computer.

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13       19. (Original) A computer-readable medium as recited in claim 18  
14 wherein the presenting operation comprises presenting the deciphered explanation  
15 at a local, vehicle-based client

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17       20. (Original) A computer-readable medium as recited in claim 18  
18 wherein the presenting operation comprises presenting the deciphered explanation  
19 at a remote client.

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21       21. (Original) A computer-readable medium as recited in claim 12, the  
22 process further comprising updating the deciphered explanation of the vehicle  
23 diagnostics code.

1       22. (Original) A computer-readable medium as recited in claim 12, the  
2 process further comprising:

3              transmitting the vehicle diagnostics code to a remote computer;  
4              looking up the deciphered explanation in an explanations store in operable  
5 communication with the remote computer, the explanations store having one or  
6 more explanations associated with one or more associated diagnostics codes.

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1           23. (Currently Amended) A vehicle comprising:  
2           a vehicle diagnostic system;  
3           one or more other vehicle systems; and  
4           a computer communicatively coupled to the vehicle diagnostic system and  
5           the one or more other systems via respective interfaces, wherein the computer is  
6           configured to:

7           collect data from a plurality of said vehicle systems; and  
8           generate generating a deciphered explanation of a vehicle  
9           diagnostics code.

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11          24. (Original) A vehicle as recited in claim 23, wherein the deciphered  
12 explanation comprises a textual explanation of the vehicle diagnostics code.

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14          25. (Original) A vehicle as recited in claim 23, wherein the deciphered  
15 explanation comprises a graphical illustration of a component associated with the  
16 vehicle diagnostics code.

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18          26. (Original) A vehicle as recited in claim 23, wherein the computer is  
19 further operable to generate supplemental information related to the vehicle  
20 diagnostics code.

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22          27. (Original) A vehicle as recited in claim 26, wherein the supplemental  
23 information comprises an estimated price for repairing a condition related to the  
24 vehicle diagnostics code.

1       28. (Original) A vehicle as recited in claim 26 wherein the supplemental  
2 information comprises a location of a vehicle dealership.

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4       29. (Original) A vehicle as recited in claim 23 further comprising a  
5 display device presenting the deciphered explanation.

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7       30. (Original) A vehicle as recited in claim 23, further comprising an  
8 audio output device presenting an audio version of the deciphered explanation.

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10      31. (Original) A vehicle as recited in claim 29, wherein the computer  
11 transmits the deciphered explanation to a remote client computer for presentation  
12 at the remote client.

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14      32. (Original) A vehicle as recited in claim 23, wherein the computer  
15 comprises an updateable repository of one or more deciphered explanations  
16 associated with one or more vehicle diagnostics codes.

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1           33. (Currently Amended) A vehicle-based system comprising:  
2           a diagnostics receiver module receiving a vehicle diagnostics code from a  
3           vehicle diagnostics system, the vehicle diagnostics code including a set of one or  
4           more symbols and corresponding to a vehicle condition;

5           one or more interfaces corresponding to one or more other vehicle systems  
6           and configured to receive vehicle systems data from a respective vehicle system;  
7           and

8           means for generating an explanation of the vehicle condition based on the  
9           vehicle diagnostics code, wherein the explanation combines data received from the  
10          vehicle diagnostics system and at least one said other vehicle system.

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12          34. (Original) A vehicle-based system as recited in claim 33 wherein the  
13          means for generating comprises a computer-readable memory storing a  
14          diagnostics information registry having a field storing a reference to the  
15          explanation.

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17          35. (Original) A vehicle-based system as recited in claim 33 wherein the  
18          means for generating comprises a memory storing explanations of one or more  
19          predetermined vehicle diagnostics codes.

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21          36. (Original) A vehicle-based system as recited in claim 35 wherein the  
22          memory stores one or more of a graphical explanation, a textual explanation, and  
23          an audio explanation.

1       37. (Original) A vehicle-based system as recited in claim 33 further  
2 comprising a network communications module communicating the explanation  
3 over a network.

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5       38. (Original) A vehicle-based system as recited in claim 33 further  
6 comprising a media output device presenting the explanation.

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8       39. (Original) A vehicle-based system as recited in claim 38 wherein the  
9 media output device comprises audio speakers outputting an audio explanation.

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11      40. (Original) A vehicle-based system as recited in claim 34 further  
12 comprising an update module updating information in the diagnostics information  
13 registry.

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15      41. (Original) A vehicle-based system as recited in claim 34 wherein the  
16 diagnostics information registry comprises:

17        a severity field storing a severity level associated with the vehicle  
18 condition;

19        a component field storing a component identifier associated with the  
20 vehicle condition;

21        a type field storing a diagnostics code type associated with the vehicle  
22 diagnostics code;

23        an automatic field storing an indicator indicating whether to automatically  
24 present the explanation;

1           an graphics field storing an indicator indicating whether to present graphics  
2 data included in the explanation.

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4       42. (Original) A vehicle-based system as recited in claim 33 wherein the  
5 vehicle diagnostics code is an onboard diagnostics II (OBDII) code.

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1           43. (Currently Amended) A method comprising:  
2           receiving, on a vehicle based computer, a vehicle diagnostics code from a  
3           vehicle diagnostics system, the vehicle diagnostics code including a set of one or  
4           more symbols and corresponding to a vehicle condition;  
5           receiving vehicle systems data from one or more other vehicle systems; and  
6           retrieving an explanation of the vehicle condition based on the vehicle  
7           diagnostics code; wherein the explanation combines data from the vehicle  
8           diagnostics system and at least one said other vehicle system.

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10          44. (Original) A method as recited in claim 43 wherein the retrieving  
11       operation comprises accessing a memory location storing an updateable  
12       explanation.

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14          45. (Original) A method as recited in claim 44 further comprising  
15       updating the explanation.

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17          46. (Original) A method as recited in claim 43 further comprising  
18       presenting the explanation automatically in response to receiving the vehicle  
19       diagnostics code.

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21          47. (Original) A method as recited in claim 43 further comprising  
22       presenting the explanation in response to a request from a user.

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24          48. (Original) A method as recited in claim 43 further comprising  
25       communicating the explanation over a network.